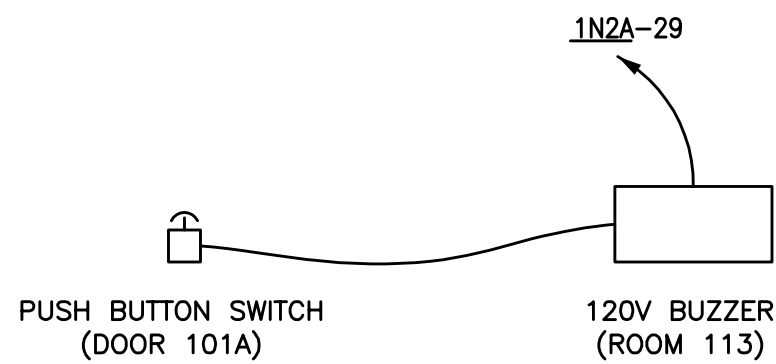


NOTE: PROVIDE SOFTWARE PROGRAMMING AND SET-UP AT ACCESS GOLD FRONT-END.

A SECURITY RISER DIAGRAM
NO SCALE



B DOORBELL RISER DIAGRAM
NO SCALE

GENERAL NOTES:

- CONTRACTOR SHALL PROVIDE AND INSTALL ALL SECURITY EQUIPMENT SUCH AS SECURITY CONTROLLER CE-1600, CONTACT CENTER CC-165, CARD READERS, RECESSED DOOR SWITCHES, DOOR LOCKS, CONDUIT, CABLES, ETC. TO COMPRISE A FULLY FUNCTIONAL SYSTEM CONTROLLED AND MONITORED FROM SECURITY SYSTEM HEAD-END AT HEADQUARTERS BUILDING.
- IN EG LAB 112 AND SHOP AREA 110 EQUIPMENT AND CIRCUITING SHALL BE POWER LIMITED TO COMPLY WITH CLASS 1, DIVISION 1 HAZARDOUS ENVIRONMENT REQUIREMENTS.

KEYED NOTES:

- PROVIDE A HOFFMAN JUNCTION BOX WITH LOCK KIT A12064CH (12"Wx6"Hx4"D) CLOSE TO THE DOOR IN THE CEILING SPACE. THE BOX SHALL BE ATTACHED TO AND SUSPENDED FROM THE SLAB OR STRUCTURAL STEEL ABOVE. PROVIDE CONDUIT WITH APPROPRIATE CABLE FROM THIS JUNCTION BOX TO CE-1600 OR CC-165 IN THE SYSTEMS ROOM.
- PROVIDE RECESSED DOOR SWITCH FOR EACH DOOR. PROVIDE 3/4" CONDUIT AND CABLE FROM EACH DOOR SWITCH TO HOFFMAN JUNCTION BOX. CABLE SHALL BE (2) #18 AWG, BELDEN 27916A.
- PROVIDE A SINGLE GANG RECESSED BOX AND CARD READER. PROVIDE 3/4" CONDUIT AND CABLE TO THE HOFFMAN JUNCTION BOX.
- PROVIDE VON DUPRIN SERIES 99 ELECTRIC LATCH DEVICE AND ELECTRIC POWER TRANSFER (EPT) DEVICE AS PART OF THE PANIC EXIT HARDWARE EQUIPMENT. PROVIDE 3/4" CONDUIT AND CABLE FROM EACH OF THE DOOR LOCKS TO THE POWER SUPPLY AND FROM THE POWER SUPPLY TO THE HOFFMAN JUNCTION BOX. CABLE SHALL BE (2) #18 AWG, BELDEN 27916A.
- PROVIDE 24V DC POWER SUPPLY FOR THE LOCK AND INSTALL IN THE CEILING SPACE (OR TO STRUCTURE IF THERE IS NO CEILING). PROVIDE 120V AC POWER CIRCUIT (2#12, #12G) IN 3/4" CONDUIT FROM THE EMERGENCY POWER PANELBOARD TO THE LOCK POWER SUPPLY.

PARTIAL SPECIAL SYSTEMS LEGEND

- DS MAGNETIC DOOR SWITCH
J JUNCTION BOX
CR CARD READER
PS POWER SUPPLY
EL ELECTRIC DOOR LOCK

CC-165 CONTACT MONITOR PANEL

// NUMBER OF SINGLE PAIR #18 TWISTED PVC JACKETED CABLES IN 1" C, UNO. (WEST PENN #224 OR EQUAL)

—/— NUMBER OF #12 CONDUCTORS WITH OVERALL JACKET IN CONDUIT

—(— FLEXIBLE CONDUIT ROUTED TO DOOR FRAME

—||— NUMBER OF 5 CONDUCTOR #20 OVERALL SHIELDED CABLES IN 1" C, UNO. (WEST PENN #3262 OR EQUAL)

—||— NUMBER OF 2 PAIR #20 INDIVIDUALLY TWISTED WITH OVERALL SHIELD CABLES CONDUIT, UNO. (WEST PENN #3151 OR EQUAL)



REES ASSOCIATES INC.

ARCHITECTURE PLANNING INTERIORS

REES PLAZA AT EAST WHARF

9211 LAKE HEFNER PARKWAY, SUITE 300

OKLAHOMA CITY, OKLAHOMA 73120

P: 405.942.7337 F: 405.948.1261

Mechanical Engineer

050 Engineering Company

228 Robert S. Kerr Ave, Suite 515

Oklaoma City, OK 73102

P: 405.236.2030 F: 405.239.6101

Electrical Engineer

Horner Associates Engineers, Inc.

1306 Commerce Drive

Norman, OK 73071

P: 405.801.2528 F: 405.801.2529

Civil Engineer

MacArthur Associated Consultants

3033 NW 63rd St., Ste. 250E

Oklaoma City, OK 73116

P: 405.848.2471 F: 405.848.2474

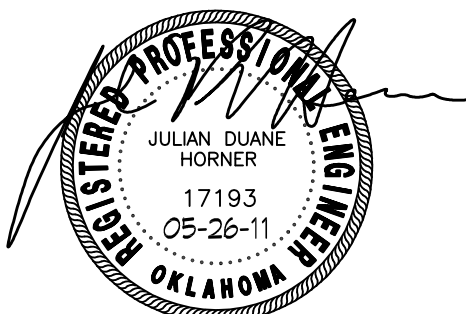
Structural Engineer

Zahl-Ford, Inc.

8411 S. Walker

Oklaoma City, OK 73139

P: 405.634.3393 F: 405.634.6414



Horner Associates Engineers, Inc.

1306 Commerce Dr, Norman, OK 73071

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info@hoeinc.com Ph: (405) 801-2528 Fax: (405) 801-2529

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DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION MIKE MONRONEY AERONAUTICAL CENTER - OKLAHOMA CITY, OKLAHOMA				
PSL - POWER SERVICES LABORATORY				
SECURITY RISER DIAGRAM				
Construction Work Request No: 09-018745				
PREPARED BY		APPROVED BY		
Rees Associates		Jon Berkman		
DESIGNED	JDH	ISSUED BY	DATE	E-701
DRAWN	BLP	OFFICE OF	May 26, 2011	
		FACILITY MANAGEMENT		
WORK ORDER NO.	09-018745	AMP-400	08-008257	23 of 31